

D9850457 D10702

Inventor: John KENTEN, et al SN 09/880,132/Sheet 2 of 7 Atty. Dkt.: 2757-6

Scheme 1 Synthesis of L-chicoric acid

L-chicoric acid

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Fig. 2

DSBCHS7.OICZOE

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CH₃

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CH3

(BrCH₂O)₂O +

DSBECKS7 CICYCE

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Scheme 2 Synthesis of N-bromoacetyl ethylenediamine

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DSBO457 LOIOPOE

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Synthesis of bromoacetylated derivative of L-chicoric acid Scheme 3

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Fig. 5

NH₂CHCH₂CH₂CNHCHCNHCH₂CO₂H + N pH6.5

CO₂H SH SH BMH

Fig. 6

Fig. 7